

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: November 25, 2000, 03:53:10 ; Search time 1140.19 Seconds
(without alignments)
1804.199 Million cell updates/sec

Title: US-09-373-230-1
Perfect score: 471
Sequence: 1 AACCTTGCCGACTTCACTG.....TCACTACTTACATCAAGT 471

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1033670 seqs, 2183789903 residues

Total number of hits satisfying chosen parameters: 2067340

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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94: gb_sts2:*

pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB	ID	Description
1	470.6	99.9	471	5	AR072044	AR072044 Sequence
2	470.6	99.9	471	5	E13264	E13264 Mouse cDNA
3	470.6	99.9	471	5	E14257	E14257 CDNA encodi
4	470.6	99.9	471	5	E14760	E14760 CDNA encodi
5	470.6	99.9	471	5	E17139	E17139 Murine mRNA
6	470.6	99.9	471	22	E10609	E10609 Mouse cDNA
7	470.6	99.9	471	22	E11744	E11744 CDNA encodi
8	470.6	99.9	471	22	E12010	E12010 CDNA encodi
9	470.6	99.9	866	12	MUSTGIFPP	D49949 Mouse mRNA
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11	400.6	85.1	722	12	RNU77776	U77776 Rattus norv
12	395.8	84.0	628	12	RNAJ813	AJ222813 Rattus no

13 392.4 83.3 483 12 RNY13337 Y13337 Rattus norv
14 279.8 59.4 665 12 RNU77777 U77777 Rattus norv
15 279.2 59.3 471 13 ASIGIF Y09278 Artificial
16 268.4 57.0 582 3 ECIGIF Y1131 Equus caball
17 254 53.9 534 3 AF173175 AF173175 Bos tauru
18 254 53.9 754 3 AF124789 AF124789 Bos tauru
19 247.8 52.6 471 5 E17135 E17135 Human mRNA
20 247.8 52.6 579 91 HSU90434 U90434 Human inter
21 247.8 52.6 1102 38 D49950 D49950 Homo sapien
22 247.4 52.5 471 5 E13263 E13263 Human cDNA
23 247.4 52.5 471 5 E15793 E15793 CDNA encodi
24 247.4 52.5 471 22 E12009 E12009 CDNA encodi
25 247.4 52.5 579 5 AR069452 AR069452 sequence
26 247.4 52.5 579 5 E15603 E15603 CDNA encodi
27 247.4 52.5 1120 5 E14759 E14759 CDNA encodi
28 247.4 52.5 1120 5 E15641 E15641 Human mRNA
29 247.4 52.5 1120 22 E11745 E11745 CDNA encodi
30 247 52.4 589 11 AF077611 AF077611 Homo sapi
31 244.6 51.9 471 5 E17136 E17136 IGIF/MUT35
32 244.4 51.9 579 3 AF191088 AF191088 Sus scrofa
33 244.4 51.9 579 3 SSIGIF Y1132 Sus scrofa
34 244.4 51.9 582 3 CRIGIF Y1133 Canis fam1
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36 244.4 51.9 665 3 AB010003 AB010003 Sus scrofa
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41 127.8 27.1 11464 5 E15652 E15652 Human gene
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ALIGNMENTS

RESULT 1
LOCUS AR072044 471 bp DNA
DEFINITION Sequence 1 from patent US 5912324.
ACCESSION AR072044
VERSION AR072044.1 GI:7222932
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 471)
AUTHORS Okamura,H., Tanimoto,T., Torigoe,K., Kunikata,T., Taniguchi,M.,
Kohno,K. and Kurimoto,M.
TITLE Interferon-gamma (IFN-gamma.) inducing factor (IGIF, IL-18)
JOURNAL purified from murine liver
FEATURES
source Location/Qualifiers
BASE COUNT 162 a /organism="unknown"
ORIGIN 91 c 92 g 125 t 1 others

Query Match 99.9%; Score 470.6; DB 5; Length 471;
Best Local Similarity 100.0%; Pred. No. 1.3e-103;
Matches 471; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AACTTTGGCCGACTTCATGTACAAACCGCAGTAATACGGAATATAAATGACCAAGTCTC 60
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Db 1 AACTTTGGCCGACTTCATGTACAAACCGCAGTAATACGGAATATAAATGACCAAGTCTC 60
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Db 61 TTCGTTGACAAAAGACAGCTGTGTTGAGAGATATGACTGATATGATCAAAAGTGCCAGT 120
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OY 121 GAACCCAGACCACTGATATATATACATGTACAAAGACAGTGAAGAGCTGGCT 180
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Db 121 GAACCCAGACCACTGATATATATACATGTACAAAGACAGTGAAGAGCTGGCT 180
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OY 181 GTGACCCCTCTGTGGAAGGATAGTAAAYGCTACCCCTCTCTGTAAGAACAGATCAT 240
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Db 181 GTGACCCCTCTGTGGAAGGATAGTAAAYGCTACCCCTCTCTGTAAGAACAGATCAT 240
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OY 241 TCCTTTGAGGAATGATCCACCTGAAAAATTTGATGATATACAAAGTGAATCTCATATTC 300
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Db 301 TTTCAGAAACGTTTCCAGACACAAAGATGAGTTTGAATCTTCACTGTATGAAGA 360
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Db 361 CACTTCTGTGCTGCCAAAGAGATGATGCTTCAACTCATTTGAAAAAAGAT 420
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Db 421 GAAATGGGATTAATCTGTAATGTCTACTCTCACTACTACTTACATCAAAAGT 471
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RESULT 2
LOCUS E13264 471 bp DNA PAT 24-JUN-1998
DEFINITION Mouse cDNA encoding a protein that induces to produce
interferon-gamma.
ACCESSION E13264
VERSION E13264.1 GI:3252069
KEYWORDS JP 1997157180-A/2.
SOURCE Mus sp.
ORGANISM Mus sp.
Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria;
Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 471)
AUTHORS Torigoe,K., Tanimoto,T., Fukuda,S. and Kurimoto,M.
TITLE AGENT FOR SENSITIVE DISEASE
JOURNAL Patent: JP 1997157180-A 2 17-JUN-1997;
HAYASHIBARA BIOCHEM LAB INC
COMMENT OS Mus sp. (mouse)
PN JP 1997157180-A/2
PD 17-JUN-1997
PF 24-JAN-1996 JP 1996028722
PR 10-MAR-1995 JP 95P 78357, 29-SEP-1995 JP 95P 274988, PR
04-OCT-1995 JP 95P 279906
PI TORIGOE KAKUJI, TANIMOTO TADAO, FUKUDA SHIGETSU, PI
KURIMOTO MASASHI

PC A61K38/00,A61K38/00,A61K38/00,A61K38/00,A61K38/00,C07K14/52,
PC C07K14/54,
PC C07K14/55;
CC strandedness: Double;
CC topology: Linear;
CC Feature is identified by similarity;
FH Key Location/Qualifiers
FT source 1.471 /organism="Mus sp."
FT /tissue_type="liver"
FT mat_peptide 1.471
FT Location/Qualifiers

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source 1.471
BASE COUNT 162 a /organism="Mus sp."
ORIGIN /db_xref="taxon:10095"
162 a 91 c 92 g 125 t 1 others

Query Match 99.9%; Score 470.6; DB 5; Length 471;
Best Local Similarity 100.0%; Pred. No. 1.3e-103;

Matches 471: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACTTTGGCCGACTTCACGTGACCAACCCGAGTAATACGGAATATTAATGACCAAGTTCTC 60
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RESULT 3
E14257 471 bp DNA PAT 28-JUL-1999
LOCUS cdna encoding mouse interferon gamma-inducing factor.
DEFINITION E14257
ACCESSION E14257.1 GI:5708940
VERSION JP 1997289896-A/1.
KEYWORDS Mus sp.
SOURCE Mus sp.
ORGANISM Mus sp.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 471)
Akita,K., Nukada,Y., Fujii,M., Tanimoto,T. and Kurimoto,M.
PROTEIN FOR INDUCING PRODUCTION OF INTERFERON-GAMMA IN
IMMUNOCOMPETENT CELL
Patent: JP 1997289896-A 11-NOV-1997;
JOURNAL HAYASHIBARA BIOCHEM LAB INC
COMMENT OS Mus sp. (mouse)
PN JP 1997289896-A/1
PD 11-NOV-1997
PF 20-SEP-1996 JP 1996269105
PR 26-SEP-1995 JP 95P 270725, 29-FEB-1996 JP 96P 67434 PI
AKITA KENJI, NUKADA YOSHIOYUKI, FUJII MITSUKIYO, TANIMOTO TADAO, PI
KURIMOTO MASASHI
PC C12P21/02,A61K9/06,A61K38/00,A61K38/00,A61K38/00,A61K38/00, PC
A61K38/00,
PC A61K38/00,A61K38/00,C07K14/47,(C12P21/02,C12R1:91); CC
strandedness: Double;
CC topology: Linear;
CC hypothetical: No;
CC anti-sense: No;
FH Key Location/Qualifiers
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FT mat_peptide 1..471
FT /product='mouse interferon gamma-inducing FT

FEATURES
source 1..471
location/Qualifiers
/organism="Mus sp."
/db_xref="taxon:10095"
BASE COUNT 162 a 91 c 92 g 125 t 1 others
ORIGIN

Query Match 99.9%; Score 470.6; DB 5; Length 471;
Best Local Similarity 100.0%; Pred. No. 1.3e-103;
Matches 471: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACTTTGGCCGACTTCACGTGACCAACCCGAGTAATACGGAATATTAATGACCAAGTTCTC 60
Db 1 AACTTTGGCCGACTTCACGTGACCAACCCGAGTAATACGGAATATTAATGACCAAGTTCTC 60
QY 61 TTGCTTGACAAAGACAGCCGTGTTCGAGATATGACTGATATGATCAAAAGTCCAGT 120
Db 61 TTGCTTGACAAAGACAGCCGTGTTCGAGATATGACTGATATGATCAAAAGTCCAGT 120
QY 121 GAACCCGAGACGAGCTGATATATACATGTACAAAGACAGTGAAGTAAGAGAGCTGGCT 180
Db 121 GAACCCGAGACGAGCTGATATATATACATGTACAAAGACAGTGAAGTAAGAGAGCTGGCT 180
QY 181 GTGACCCCTCTCTGTGAAGATAGTAAATGTCTACCCCTCTCTGTAAAGACAGATCATTT 240
Db 181 GTGACCCCTCTCTGTGAAGATAGTAAATGTCTACCCCTCTCTGTAAAGACAGATCATTT 240
QY 241 TCCCTTGAGAAATGATCCACCTGAAAAATATTGATGATATACAAAGTATCTCATATTC 300
Db 241 TCCCTTGAGAAATGATCCACCTGAAAAATATTGATGATATACAAAGTATCTCATATTC 300
QY 301 TTTCAGAAACGTTGTTCCAGGACACACAGATGGAGTTGAACTCTTCACCTGTATGAAGA 360
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QY 421 GAAAAATGGGATTAATCTGTAATGTTCACTCTCATACTTACATCAAAAGT 471
Db 421 GAAAAATGGGATTAATCTGTAATGTTCACTCTCATACTTACATCAAAAGT 471

RESULT 4
E14760 471 bp DNA PAT 28-JUL-1999
LOCUS cdna encoding polypeptide which induces interferon-gamma production
DEFINITION E14760
ACCESSION E14760.1 GI:5709443
VERSION JP 1998007699-A/2.
KEYWORDS Mus sp.
SOURCE Mus sp.
ORGANISM Mus sp.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 471)
Ushio,S., Torigoe,K., Tanimoto,T., Okamura,H. and Kurimoto,M.
POLYPEPTIDE INDUCING PRODUCTION OF INTERFERON-GAMMA
Patent: JP 1998007699-A 13-JAN-1998;
JOURNAL HAYASHIBARA BIOCHEM LAB INC
COMMENT OS Mus sp. (mouse)
PN JP 1998007699-A/2
PD 13-JAN-1998
PF 18-SEP-1995 JP 1997058547
PR 15-NOV-1994 JP 94P 304203
PI USHIO SHINPEI, TORIGOE KAKUJI, TANIMOTO TADAO, OKAMURA HARUKI,
PI KURIMOTO MASASHI
PC C07K14/52,C07H21/04,C12N1/21,C12N15/09,C12P21/02//A61K38/00,
PC (C12N1/21,
PC C12R1:19),(C12P21/02,C12R1:19);

CC strandedness: Double;
CC topology: Linear;
CC hypothetical: No;
CC anti-sense: No;
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FT /organism='Mus sp.'
FT /tissue_type='liver'.
FEATURES
source 1..471
location/Qualifiers
/db_xref='taxon:10095'
BASE COUNT 162 a 91 c 92 g 125 t 1 others
ORIGIN

Query Match 99.9%; Score 470.6; DB 5; Length 471;
Best Local Similarity 100.0%; Pred. No. 1.3e-103;
Matches 471; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACCTTGCCGACTTCACCTGTACACCGCAGTAATACGGAATATAATGACCAAGTCTC 60
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QY 61 TTCGTTGACAAAGACAGCCTGTGTCGAGGATATGACTGATATTGATCAAGTCCAGT 120
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QY 121 GAACCCGACAGCAGACTGATATATATACATGTACAAAGACAGTGAAGTAAGAGACTGGCT 180
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QY 181 GTGACCCCTCTCTGTGAAGGATAGTAAAYGTCTACCCCTCTCTGTAAGAACAGATCAT 240
Db 181 GTGACCCCTCTCTGTGAAGGATAGTAAAYGTCTACCCCTCTCTGTAAGAACAGATCAT 240

QY 241 TCCTTTGAGGAATGATCCACCTGAAATATGATGATATACAAAGTATCTCATATTC 300
Db 241 TCCTTTGAGGAATGATCCACCTGAAATATGATGATATACAAAGTATCTCATATTC 300

QY 301 TTCAGAAACGTGTCCAGACACACACAGATGAGTTGATCTTCACCTGATGAAGGA 360
Db 301 TTCAGAAACGTGTCCAGACACACACAGATGAGTTGATCTTCACCTGATGAAGGA 360

QY 361 CACTTCTTCTGTGCGCAAAAGAGATGATGCTTCAAACTCATTTGAAAAAAGGAT 420
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QY 421 GAAATGGGATTAATCTGTAATGTTCACCTCTCACTAATCTTACATCAAGT 471
Db 421 GAAATGGGATTAATCTGTAATGTTCACCTCTCACTAATCTTACATCAAGT 471

RESULT 5
LOCUS E17139 471 bp DNA PAT 28-JUL-1999
DEFINITION Murine mRNA for interleukin-18 (IL-18).
ACCESSION E17139
VERSION E17139.1 GI:5711822
KEYWORDS JP 1998236974-A/5.
SOURCE Mus sp.
ORGANISM Mus sp.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 471)
AUTHORS Matthew, J. G., Nicholl, J. H., Udagawa, N. and Kurimoto, M.
TITLE OSTEOCLAST-FORMATION INHIBITOR
JOURNAL Patent: JP 1998236974-A 08-SEP-1998;
HAYASHIBARA BIOCHEM LAB INC
COMMENT OS Mus sp. (mouse)
PN JP 1998236974-A/5
PD 08-SEP-1998

PF 25-FEB-1997 JP 1997055468
PI MATTHEW TODD GALSPIE, NICHOLL JOY HOOWOOD, UDAGAWA NOBUYUKI,
PI KURIMOTO MASASHI
PC A61K38/00, A61K38/00//C07K14/54, C12N15/09;
CC strandedness: Double;
CC topology: Linear;
FH Key Location/Qualifiers
FH source 1..471
FH /organism='Mus sp.'
FH /tissue_type='liver'
FT mat_peptide 1..471
FT /product='IL-18'.
FEATURES
source 1..471
location/Qualifiers
/db_xref='taxon:10095'
BASE COUNT 162 a 91 c 92 g 126 t
ORIGIN

Query Match 99.9%; Score 470.6; DB 5; Length 471;
Best Local Similarity 99.8%; Pred. No. 1.3e-103;
Matches 470; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACCTTGCCGACTTCACCTGTACACCGCAGTAATACGGAATATAATGACCAAGTCTC 60
Db 1 AACCTTGCCGACTTCACCTGTACACCGCAGTAATACGGAATATAATGACCAAGTCTC 60

QY 61 TTCGTTGACAAAGACAGCCTGTGTCGAGGATATGACTGATATTGATCAAGTCCAGT 120
Db 61 TTCGTTGACAAAGACAGCCTGTGTCGAGGATATGACTGATATTGATCAAGTCCAGT 120

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RESULT 6
ID E10609 standard; RNA; ROD; 471 BP.
XX E10609;
AC E10609.1
SV E10609.1
XX
DT 08-OCT-1997 (Rel. 52, Created)
DT 08-OCT-1997 (Rel. 52, Last updated, Version 1)
XX
DE Mouse cDNA encoding a protein involved in interferon-gamma production.
XX
KW JP 1996027189-A/1.
XX

OS Mus sp.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
OC Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
XX
RN
RN 1-471
RP
RA Okamura H., Tanimoto T., Torigoe K., Kurimoto M.;
"PROTEIN INDUCING PRODUCTION OF INTERFERON-GAMMA";
RL Patent number JP 1996027189-A/1, 30-JAN-1996.
RL HAYASHIBARA BIOCHEM LAB INC.

CC	OS	Mus sp. (mouse)
CC	PN	JP 1996027189-A/1
CC	PD	30-JAN-1996
CC	PF	14-JUL-1994 JP 1994184162
CC	PI	OKAMURA HARUKI, TANIMOTO TADAO, TORIGOE KAKUJI,
CC	PI	KURIMOTO MASASHI
CC	PC	C07K14/52, A61K38/00, A61K38/00, C12N1/21, C12N15/09,
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CC	FT	interferon-gamma
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Query Match	99.9%;	Score 470.6;	DB 22;	Length 471;
Best Local Similarity	100.0%;	Pred. No. 1.3e-103;		
Matches 471; Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	AAC	TTGGCCG	CACTT	CAC	TGT	TAC	AAC	CCG	CAG	TAA	TAC	GGA	ATAT	TAAT	GAC	CAAG	TTCTC	60
Db	1	AAC	TTTGGCCG	CACTT	CAC	TGT	TAC	AAC	CCG	CAG	TAA	TAC	GGA	ATAT	TAAT	GAC	CAAG	TTCTC	60
QY	61	TTG	CTTGACA	AAAGA	CAC	CCCTG	TGTT	CGAG	GAAT	TGAC	TGAT	AT	TGAT	CAAA	GTG	CCAGT		120	
Db	61	TTG	CTTGACA	AAAGA	CAC	CCCTG	TGTT	CGAG	GAAT	TGAC	TGAT	AT	TGAT	CAAA	GTG	CCAGT		120	
QY	121	GAAC	CCCA	GAC	CCAG	ACT	TGAT	AAT	ATAT	ACAT	GT	TAC	AAAG	A	GAC	AGT	GAAG	AGACTG	180
Db	121	GAAC	CCCA	GAC	CCAG	ACT	TGAT	AAT	ATAT	ACAT	GT	TAC	AAAG	A	GAC	AGT	GAAG	AGACTG	180
QY	181	GTG	ACCCT	CTCT	CTGT	GGA	AGAT	AGT	TAA	AAAGT	CT	TAC	CCCT	CTCT	CTGT	AAGA	AAAC	AGATCAT	240
Db	181	GTG	ACCCT	CTCT	CTGT	GGA	AGAT	AGT	TAA	AAAGT	CT	TAC	CCCT	CTCT	CTGT	AAGA	AAAC	AGATCAT	240
QY	241	TCCT	TTGA	GAA	ATG	ATCC	ACCT	GAA	AAATAT	TGAT	GAT	TAT	TAC	AAAGT	ATC	TAT	TC		300
Db	241	TCCT	TTGA	GAA	ATG	ATCC	ACCT	GAA	AAATAT	TGAT	GAT	TAT	TAC	AAAGT	ATC	TAT	TC		300
QY	301	TTT	CAGA	AAAC	GTG	TTC	CGA	GAC	A	CAC	A	CA	AGAT	GGAG	TTT	GAA	TCTT	CAC	360
Db	301	TTT	CAGA	AAAC	GTG	TTC	CGA	GAC	A	CAC	A	CA	AGAT	GGAG	TTT	GAA	TCTT	CAC	360
QY	361	CAC	TTTCT	TGCT	TG	CCAAA	AGGA	AGAT	GAT	GCTT	TCA	AACT	CA	TTCT	G	AAAA	AAAA	AGGAT	420
Db	361	CAC	TTTCT	TGCT	TG	CCAAA	AGGA	AGAT	GAT	GCTT	TCA	AACT	CA	TTCT	G	AAAA	AAAA	AGGAT	420
QY	421	GAA	AAATG	GGG	AT	TAAT	CTGT	TAAT	GT	TCA	CTCT	CAC	TA	ACTT	TAC	CAAG	T		471
Db	421	GAA	AAATG	GGG	AT	TAAT	CTGT	TAAT	GT	TCA	CTCT	CAC	TA	ACTT	TAC	CAAG	T		471

Db 421 GAAATGGGATTAATCTGTATGTTCACTCTCACTAATTACATCAAGT 471

RESULT	7	
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ID	E11744	standard; RNA; ROD; 471 BP.
XX		
AC	E11744;	
XX		
SV	E11744.1	
XX		
DT	08-OCT-1997 (Rel. 52, Created)	
DT	08-OCT-1997 (Rel. 52, Last updated, Version 1)	
XX		
DE	cdNA encoding polypeptide which induce mouse interferon gamma product.	
XX		
KW	JP 1996193098-A/1.	

OS Mus musculus (house mouse)
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia;
OC Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
XX
RN
RN [1]
RP 1-471
RA Ushio S., Torigoe K., Tanimoto T., Okamura H., Kurimoto M.;
RT "POLYPEPTIDE FOR INDUCING PRODUCTION OF INTERFERON-GAMMA";
RL Patent number JP 1996193098-A/1, 30-JUL-1996.
RL HAYASHIBARA BIOCHEM LAB INC.

CC OS Mus musculus (mouse)
CC PN JP 1996193098-A/1
CC PD 30-JUL-1996
CC PF 18-SEP-1995 JP 1995262062
CC PR 15-NOV-1994 JP 94P 304203
CC PI USHIO SHINPEI, TORIOGE KAKUJI, TANIMOTO TADAO, OKAMURA HARUKI
CC PI KURIMOTO MASASHI
CC PC COTK14/52, C07H21/04, C12N1/21, C12N15/09, C12P21/00//A61K38/00,
CC PC C07K7/06, (C12N1/21, C12R1:19), (C12P21/00, C12R1:19);
CC PC C07K7/06, (C12N1/21, C12R1:19);

	CC	CC	hypothetical: No;
CC	CC	anti-sense: No;	Location/Qualifiers
CC	CC	key	
CC	FH		
CC	FH		
CC	FT	source	1. .471
CC	FT		/organism="Mus musculus"
CC	FT		/tissue_type="liver"
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FH	FH		
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XX			
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Query Match	99.9%;	Score 470.6;	DB 22;	length 471;
Best Local Similarity	100.0%;	Pred. No. 1.3e-103;		
Matches 471;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY 1	AAC	TTGGCCGAC	TTCACTGTAC	AACCGCAGTAATACGGAATATATAATGACCAAGTTCTC 60
Db 1	AAC	TTGGCCGAC	TTCACTGTAC	AACCGCAGTAATACGGAATATATAATGACCAAGTTCTC 60
QY 61	TTG	TTGACAAAAGACAGCCTGTGTTCGAGGATATGACTGATATTGATCAAAAGTGCAGT 120		
Db 61	TTG	TTGACAAAAGACAGCCTGTGTTCGAGGATATGACTGATATTGATCAAAAGTGCAGT 120		
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	/db_xref="GI:1064823"			
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	QKEDDAFKLILKKDKDENGDKSYMFTLTINLHQS"			
	866			
polya_site	262 a 187 c 187 g 230 t			
base count	262 a 187 c 187 g 230 t			
origin				
Query Match	99.98%	Score 470.6	DB 12	Length 866
Best Local Similarity	99.88%	Pred. No. 1.3e-103		
Matches 470; Conservative	1	Mismatches 0	Indels 0	Gaps 0
QY	1	AACTTTGGCCGACTTTCACCTGTACACCCGACGATATACGGAATATAATGACCAAGTCTC	60	
DB	270	AACTTTGGCCGACTTTCACCTGTACACCCGACGATATACGGAATATAATGACCAAGTCTC	329	
QY	61	TTGCTTGACAAAAGACAGCCTGTGTTTCGAGAGATATGACTGATATTGATCAAAGTGCCAGT	120	
DB	330	TTGCTTGACAAAAGACAGCCTGTGTTTCGAGAGATATGACTGATATTGATCAAAGTGCCAGT	389	
QY	121	GAACCCCCAGACCCAGACTGATATATATACATGTACACAAAGACAGTGAAGTAAGGACTGGCT	180	
DB	390	GAACCCCCAGACCCAGACTGATATATATACATGTACACAAAGACAGTGAAGTAAGGACTGGCT	449	
QY	181	GTGACCCCTCTGTGAAGGATAGTAAAYGCTTACCCCTCTCTGTGAAGACCAAGATCATTT	240	
DB	450	GTGACCCCTCTGTGAAGGATAGTAAAYGCTTACCCCTCTCTGTGAAGACCAAGATCATTT	509	
QY	241	TCCTTTGAGGAAATGATCCACCTGAAAAATATTGATGATATACAAAGTGATCTCATATTC	300	
DB	510	TCCTTTGAGGAAATGATCCACCTGAAAAATATTGATGATATACAAAGTGATCTCATATTC	569	
QY	301	TTTCAGAAAAGCTGTTCCAGGACACACAAGAATGAGTTTGAATCTTCACTGTATGAAGGA	360	
DB	570	TTTCAGAAAAGCTGTTCCAGGACACACAAGAATGAGTTTGAATCTTCACTGTATGAAGGA	629	
QY	361	CACTTTCTTGCTTGCCCAAAAGGAAGATGATGCTTTCAACATCATTTCTGAAGAAAAAGCAT	420	
DB	630	CACTTTCTTGCTTGCCCAAAAGGAAGATGATGCTTTCAACATCATTTCTGAAGAAAAAGCAT	689	
QY	421	GAATAATGGGATAAATCTGTAATGTTCACTCTCACTAAGTTACATCAAAAGT	471	
DB	690	GAATAATGGGATAAATCTGTAATGTTCACTCTCACTAAGTTACATCAAAAGT	740	
RESULT 10				
LOCUS	MMU66244	572 bp	mrna	18-MAR-1997
DEFINITION	Mus musculus interferon-gamma inducing factor mRNA, partial cds.			
ACCESSION	U66244			
VERSION	U66244.1 GI:1561735			
KEYWORDS	house mouse.			
SOURCE	Mus musculus			
ORGANISM	Mammalia; Eutheria; Rodentia; Sclurognathi; Muridae; Murinae; Mus.			
REFERENCE	1 (bases 1 to 572)			
AUTHORS	Rothe,H., Jenkins,N.A., Copeland,N.G. and Kolb,H.			
TITLE	Active stage of autoimmune diabetes is associated with the			
JOURNAL	expression of a novel cytokine, IGIF, which is located near Idd2			
MEDLINE	J. Clin. Invest. 99 (3), 469-474 (1997)			
REFERENCE	97174346			
AUTHORS	2 (bases 1 to 572)			
	Rothe,H., Copeland,N.G. and Kolb,H.			

TITLE Direct Submission
JOURNAL Submitted (06-AUG-1996) Diabetes Research Institute, Auf'm Hennekamp 65, Duesseldorf 40225, Germany
FEATURES Location/Qualifiers
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 /strain="non obese diabetic (NOD)"
 /db_xref="taxon:10090"
 /chromosome="g"
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 /db_xref="GI:1561736"
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BASE COUNT 196 a 111 c 113 g 152 t
ORIGIN
 Query Match 96.0%; Score 452; DB 12; Length 572;
 Best Local Similarity 98.9%; Pred. No. 3.9e-99;
 Matches 465; Conservative 1; Mismatches 1; Indels 3; Gaps 1;
 QY 1 AACTTTGGCCGACTTCACTGTACAAACCGCAGTAATAACGGAATATAATGACCAAGTTCTC 60
 Db 106 AACTTTGGCCGACTTCACTGTACAAACCGCAGTAATAACGGAATATAATGACCAAGTTCTC 165
 QY 61 TTCGTTGACAAAAGACAGACCTGTGTTCCGAGGATATGACTGATATTGATCAAAAGTGCCAGT 120
 Db 166 TTCGTTGACAAAAGACAGACCTGTGTTCCGAGGATATGACTGATATTGATCAAAAGTGCCAGT 225
 QY 121 GAACCCCGACCGACGACTGATATATATACATGTACAAGAAGACAGTGAAGAGACTGGCT 180
 Db 226 GAACCCCGACCGACGACTGATATATATACATGTACAAGAAGACAGTGAAGAGACTGGCT 285
 QY 181 GTGACCCCTCTCTGTGAAGATAGTAATAAYGTCACCTCTCTCTGTGAAGACAAAGATCATT 240
 Db 286 GTGACCCCTCTCTGTGAAGATAGTAATAAYGTCACCTCTCTCTGTGAAGACAAAGATCATT 345
 QY 241 TCCTTTGAGGAAATGATCCACCTGAAATATTTGATGATATACAAAGTGATCTCATATT 300
 Db 346 TCCTTTGAGGAAATGATCCACCTGAAATATTTGATGATATACAAAGTGATCTCATATT 405
 QY 301 TTTCAGAAACGCTGTTCCAGAGACACACACAAGATGGAGCTTGAATCTTCACCTGATGAAGGA 360
 Db 406 TTTCAGAAACGCTGTTCCAGAGACACACACAAGATGGAGCTTGAATCTTCACCTGATGAAGGA 465
 QY 361 CACTTCTCTGCTTGCCAAAGGAAGATGATGCTTCCAAACTCATCTCGAAAAAAAAGGAT 420
 Db 466 CACTTCTCTGCTTGCCAAAGGAAGATGATGCTTCCAAACTCATCTCGAAAAAAAAGGAT 525
 QY 421 GAAAAATGGGATAAATCTGTAATGTTTCACCTCTCACTAATCTTACATCAAG 470
 Db 526 GAAAAATGGGATAAATCTGTAATAT---CTCTCACTAATCTTACATCAAG 572
RESULT 11
LOCUS RNU77776 722 bp mRNA
DEFINITION Rattus norvegicus interferon-gamma inducing factor precursor (IGIF), mRNA, complete cds.
ACCESSION U77776
VERSION U77776.1 GI:1809128
KEYWORDS
SOURCE Norway rat.
ORGANISM Rattus norvegicus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;

FEATURES

source

BASE COUNT	252 a	138 c	140 g	192 t
ORIGIN				

Query Match	85.18;	Score 400.6;	DB 12;	Length 722;
Best Local Similarity	91.88;	Pred. No. 9.7e-87;		
Matches 434; Conservative	1;	Mismatches 35;	Indels 3;	Gaps 1

QY	2	ACTTTGGCCGACTTCAC	TGTACACACCGCAGTA	TACGGAATATATAATG	ACCAAGTTCTCT	61
Db	110	ACTTTGGCAGACTTCAC	TGTACACACCGCAGTA	TACGGAATATATAATG	ACCAAGTTCTCT	165
QY	62	TCGTTGACAAAACA	---CAGCCCTGTGTT	CGAGGATATGACTG	ATATTGATCAAAAGTGCCA	118
Db	170	TCGTTGACAAAAGA	AACCCGCCCTGTGTT	CGAGGACATGCGCTG	ATATCGAACCGAACAGCCA	229
QY	119	GTGAACCCCGACAGC	CAGACTGATATATAC	ATGTACACAAAGAC	AGTGAAGTAAAGAGGACTGG	178
Db	230	ACGAATCCCGACAGC	CAGACTGATATATAT	ATGTACAAAAGATAG	TGAAGTAAAGAGGACTGG	289
QY	179	CTGTGACCCCTCTCT	GTAAGGATAGTAAAY	GCTCAACCTCTCTCT	GTAAGAACAAGATCA	238
Db	290	CTGTGACCCCTATCT	GTAAGGATGAAGGAT	GCTCAACCTCTCTCT	GTAAGAACAAGATCA	349
QY	239	TTTCCTTTGAGGAAT	TGATGCACCTGAAAA	TATTGATGATATAC	AAAGTGATCTCATAT	298
Db	350	TTTCCTTTGAGGAAT	TGATGCACCTGAAAA	TATTGATGATATAC	AAAGTGATCTCATAT	409
QY	299	TCCTTTCAGAAACG	TGTTCCAGGACAC	ACAACAAGATGAG	TGTTGAATCTTCACTG	358
Db	410	TCCTTTCAGAAACG	TGTTCCAGGACAC	ACAACAAGATGAG	TGTTGAATCTTCACTG	469
QY	359	GACACTTCTTGCTTG	CCAAAAAGAGATG	ATGCTTTCAAACTC	ATTCTGAAAAAAAAGG	418
Db	470	GACACTTCTTGCTTG	CCAAAAAGAGATG	ATGCTTTCAAACTC	ATTCTGAAAAAAAAGG	529
QY	419	ATGAANAATGGGGAT	ATAATCTGTATATG	TTCACCTCTCACTA	CTTACATCAAAGT	471
Db	530	ATGAANAATGGGGAT	ATAATCTGTATATG	TTCACCTCTCACTA	CTTACATCAAAGT	582

RESULT 12
RNAJ813

LOCUS	RNAJ813	628 bp	mRNA	ROD	11-AUG-1998
DEFINITION	Rattus norvegicus mRNA for precursor interleukin 18 (IL-18), complete cds.				
ACCESSION	AJ222813				
VERSION	AJ222813.1	GI:3413501			
KEYWORDS	IL-18 gene; interleukin.				
SOURCE	Norway rat.				
ORGANISM	Rattus norvegicus				
REFERENCE	Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria; Rodentia; Sciurognathu; Muridae; Murinae; Rattus.				
AUTHORS	1 (bases 1 to 628)				
TITLE	Culhane,A.C., Hall,M.D., Rothwell,N.J. and Luheshi,G.N.				
JOURNAL	Cloning of rat brain interleukin-18 cDNA				
REFERENCE	Mol. Psych. 3, 362-366 (1998)				
AUTHORS	2 (bases 1 to 628)				
TITLE	Culhane,A.C.				
JOURNAL	Direct Submission				
FEATURES	Submitted (08-DEC-1997) Culhane A.C., University of Manchester, School of Biological Sciences, 1.124 Stoford Building, Manchester Lances, M13 9PT, UK				
source	Location/Qualifiers				
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	1. .585

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factor; interleukin-1 gamma"
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Query Match	84.0%;	Score 395.8;	DB 12;	Length 628;
Best Local Similarity	91.1%;	Pred. No. 1.4e-85;		
Matches 431;	Conservative	1;	Mismatches 38;	Indels 3;
				Gaps 1

[illegible]

QY	239	TTCCCTTTGAGGAAATGGATCCACCTGAAAAATATTGATGATATACAAAGTGATCTCATAT	298
Db	350	TTTCCTTTGAGGAAATGAATCCACCTGAAAAATATTGATGATATAAAAAGTGATCTCATAT	409
QY	299	TCTTTACGAAACGTGTTCCAGCAGACACAACAAGATGAGTTTGATCTTTCACCTGATGAAG	358
Db	410	TCTTTCAAAAACGTGTGCCAGACGACACACAACAAATGGAATTTGATCTTCCCTGTATGAAG	469
QY	359	GACACTTTCCTTGCTTGGCCAAAAGGAAGATGATGCTTTCAAACTCATTTCTGAAAAAAAGG	418
Db	470	GACACTTTCAGCTTGCCCAAAAAGGAGATGATGCTTTCAAACTCGTTTGAAGAGGAAGG	529
QY	419	ATGAAAAATGGGATAAATCTGTAATGTTTCACCTTCACCTAACCTACATCAAGAAGT	471
Db	530	ATGAAAAATGGGATAAATCTGTAATGTTTCACCTTCACCTAACCTACATCAAGAAGT	582

RESULT	13				
LOCUS	RNY13337	483 bp	DNA	ROD	16-APR-1998
DEFINITION	Rattus norvegicus IGf (IL-18) gene.				
ACCESSION	Y13337				
VERSION	Y13337.1	GI:3063922			
KEYWORDS	IGf gene; IL-18 gene.				
SOURCE	Norway rat.				

REFERENCE
Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria;
Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
1 (bases 1 to 483)

TITLE	Expression of IGF1 (IL-18) in Lewis rat experimental autoimmune
JOURNAL	encephalomyelitis
REFERENCE	unpublished
AUTHORS	2 (bases 1 to 483)
TITLE	Giegerich, G.
JOURNAL	Direct Submission
	Submitted (20-MAY-1997) G Giegerich, Clinical Research Unit for

JOURNAL. Submitted (20-MAY-1997) G. Giegerich, Clinical Research Unit for Multiple Sclerosis and Neuroimmunological Branch, Department of Neurology, Julius Maximilians University, D-97080 Wuerzburg, FRG
location/Qualifiers

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BASE COUNT 165 a    95 c    99 g    124 t
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Query Match	83.3%;	Score 392.4;	DB 12;	Length 483;
Best Local Similarity	91.2%;	Pred. No. 9.2e-85;		
Matches 427; Conservative	1;	Mismatches 37;	Indels 3;	Gaps 1;

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 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Dd 7 AAC TTC GGT C GACT T C A C T G T A C A C C G A G T A T G G G A G C A T A A T G A C C A G T T C T C 66

QY	61	TTCCGTTGACAAAGA-- --CAGCCTGTGTTCCAGGATATGACTGATATTTGATCAAAAGTCCC	117
Db	67	TTCCGTTTGACAAAGAACCAGCCGCTGTGTTCCAGGACATGCGCTGATATCCGACCAACAGCC	126
QY	118	AGTGAACCCACGACACAGACTTGATTAATATATCATGTACAAAAGACAGTGAAGTAAAGAGCACTG	177
Db	127	AACGAATCCCAAGACACAGACTGATTAATATATATGTACAAAAGATAGTGAAGTAAAGAGCACTG	186
QY	178	GCTGTGACCCCTCTCTGTGAAGGATAGTAAAAAGTCTACCCCTCTCTGTGAAGACAAATC	237
Db	187	GCTGTGACCCCTATCTGTGAAGGATGAAGAGATGTCACCCCTCTCTGTGAAGACAAATC	246
QY	238	ATTTCCTTTGAGGAATGATGCCACCTGAAATAATTTGATGATATACAAAGTGATCTCATATA	297
Db	247	ATTTCCTTTGAGGAATGATGCCACCTGAAATAATTTGATGATATACAAAGTGATCTCATATA	306
QY	298	TTCTTTTCAGAAACGTGTTCCAGGACACACAAGATGAGTTTGAATCTTCACTGTATGAA	357
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QY	358	GGACACTTTCTGCTTGCCAAAAGAGATGATGCTTCCAAACTCATTTCTGAAAAAAAAG	417
Db	367	GGACACTTTCTAGCTTGCCAAAAGAGATGATGCTTCCAAACTGTTTTGAAAAGGAAG	426
QY	418	GATGAAAAATGGGGATAAATCTGTAAATGTTCACTGTCACTAATCACTTACAT	465
Db	427	GATGAAAAATGGGGATAAATCTGTAAATGTTCACTGTCACTAATCACTTACAT	474

RESULT	14		
LOCUS	RNU77777	665 bp	ROD
DEFINITION	Rattus norvegicus interferon-gamma inducing factor isoform alpha precursor (IGIF) mRNA, complete cds.		

VERSION	U77777.1	GI:1809130
KEYWORDS	.	
SOURCE	Norway rat.	

SOURCE ORGANISM	
Norway rat.	
<i>Rattus norvegicus</i>	
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; <i>Rattus</i> .	

REFERENCE	
1 (bases 1 to 665)	
AUTHORS	Conti, B., Jahng, J.W., Tinti, C., Son, J.H. and Joh, T.H.
TITLE	Induction of interferon-gamma inducing factor in the adrenal cortex
JOURNAL	J. Biol. Chem. 272 (4), 2035-2037 (1997)

REFERENCE
AUTHORS
TITLE
JOURNAL
2 (bases 1 to 665)
Conti, B., Jahng, J. W., Tinti, C., Son, J. H. and Joh, T. H.
Direct Submission
Submitted (08-NOV-1996) Molecular Neurobiology, Cornell University
Medical College at Burke Research Institute, 785 Mamaronck Ave,
White Plains, NY 10605, USA

FEATURES	Location/Qualifiers
source	1. .665

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